

Converting Colors

XYZ(22.2488, 16.2495, 41.7065)

Have a look what the booklet for
XYZ(22.2488, 16.2495, 41.7065)
contains.

XYZ(22.1852, 16.2469, 41.5018)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.1852, 16.2469,
41.5018)**

Conversions

Conversions Part 1

Format	Color
Hex	8C5CAD
RGB	140, 92, 173
RGB Percent	55%, 36%, 68%
CMY	0.4510, 0.6392, 0.3216
CMYK	0.19, 0.47, 0.00, 0.32
HSL	276°, 33%, 52%
HSV	276°, 47%, 68%
XYZ	22.1852, 16.2469, 41.5018
YIQ	115.5860, 2.6070, 35.3670

Conversions

Conversions Part 2

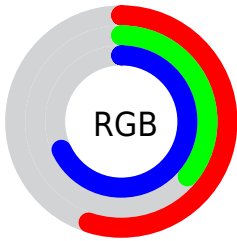
Format	Color
R _{YB}	140, 92, 173
Decimal	9198765
CIE _{Lab}	47.30, 35.02, -35.88
CIE _{LCh}	47, 50.138, 314.309
Yxy	16.2469, 0.2775, 0.2033
Android (android.graphics.Color)	4287388845 (0xFF8C5CAD)
YUV	115.5860, 28.3051, 21.4111
Hunter-Lab	40.3074, 27.7083, -32.8316

Details

The XYZ color **22.1852, 16.2469, 41.5018** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **25.3332, 35.0202, 15.5503**, and the grayscale version is **16.3903, 17.2439, 18.7786**.

A 20% lighter version of the original color is **46.4710, 36.9042, 78.8027**, and **8.3153, 5.2321, 18.3409** is the 20% darker color. If you saturate the color by 10%, you get **19.7044, 12.9919, 41.0045**, and if you desaturate by 10%, it is **25.0855, 20.2268, 42.1174**.

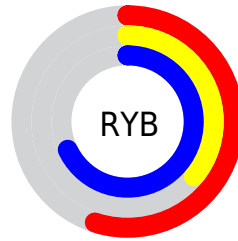
Distribution



Red (55%)

Green (36%)

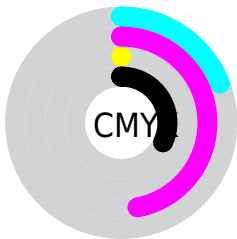
Blue (68%)



Red (55%)

Yellow (36%)

Blue (68%)

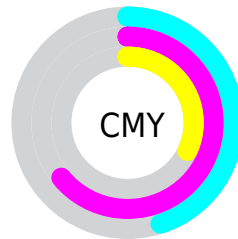


Cyan (19%)

Magenta (47%)

Yellow (0%)

Black (32%)



Cyan (45%)

Magenta (64%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1852, 16.2469, 41.5018 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 22.1852, 16.2469, 41.5018 by changing the saturation by 10% instead.

■ 22.1852, 16.2469,
41.5018

■ 22.1852, 16.2469,
41.5018

256.1261,
230.7942, 368.1521

■ 14.1104, 9.6990,
28.3887

■ 46.5285, 37.0263,
78.7070

■ 8.2797, 5.1999,
18.3773

■ 63.5277, 52.0266,
103.6362

■ 4.3278, 2.3650,
11.0490

■ 84.2324, 70.6132,
133.3412

■ 1.8892, 0.8078,
5.9852

■ 109.0080, 93.1705,
168.2405

■ 0.5705, 0.0000,
2.7674

138.2198,
120.0829, 208.7528

■ 0.0000, 0.0000,
0.9771

172.2332,

■ 0.0000, 0.0000,

151.7347, 255.2964

0.0000

211.4135,
188.5103, 308.2900

■ 22.1852, 16.2469,
41.5018

■ 22.1852, 16.2469,
41.5018

■ 19.7044, 12.9919,
41.0045

■ 25.0855, 20.2268,
42.1174

■ 17.6163, 10.4118,
40.6166

■ 28.4262, 24.9732,
42.8575

■ 15.8934, 8.4535,
40.3294

■ 32.2289, 30.5266,
43.7290

■ 14.5032, 7.0544,
40.1326

■ 36.5131, 36.9241,
44.7380

■ 13.4003, 6.1254,
40.0114

■ 41.2972, 44.2006,
45.8904

■ 13.0814, 5.8724,
39.9794

■ 46.5985, 52.3887,
47.1914

■ 52.4334, 61.5198,
48.6464

■ 58.8177, 71.6232,
50.2600

■ 65.7663, 82.7273,
52.0371

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



17.6434, 16.2469, 53.3938



22.1852, 16.2469, 41.5018



25.1740, 16.2469, 25.1373

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.1852, 16.2469, 41.5018



17.8609, 16.2469, 3.0684



8.5746, 16.2469, 24.4265

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.1852, 16.2469, 41.5018



25.3332, 35.0202, 15.5503

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



8.6105, 16.2469, 11.8815



22.1852, 16.2469, 41.5018



13.4322, 16.2469, 3.0214

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.1852, 16.2469, 41.5018



22.3705, 16.2469, 5.5397



10.2260, 16.2469, 5.3502



10.1161, 16.2469, 40.7723

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.1852, 16.2469, 41.5018



25.5823, 16.2469, 15.9205



10.2260, 16.2469, 5.3502



8.4134, 16.2469, 19.5862

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22.1858, 16.2476, 41.5022



59.6118, 57.4742, 78.7575



19.3860, 20.1509, 42.4032



12.6201, 11.9940, 17.0376



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.1858, 16.2476, 41.5022



35.2245, 23.1848, 73.4243



27.9670, 19.3015, 38.4486



8.0167, 7.9829, 10.0710



9.6762, 4.3481, 29.3738



0.3291, 0.1519, 0.8200

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



24.7628, 18.0198, 21.5756



40.8010, 26.9848, 31.8835



21.5979, 33.0589, 16.9852



8.1354, 8.0674, 9.0240



13.5109, 6.8669, 5.0698



0.4034, 0.2021, 0.2862

Previews

White Background



This preview shows how the XYZ color 22.1852, 16.2469, 41.5018 looks on a white background.

Color Contrast Check

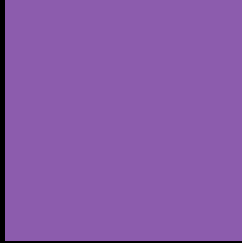
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.1852, 16.2469, 41.5018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1852, 16.2469, 41.5018

Background



This preview shows how black text looks on a background with the XYZ color 22.1852, 16.2469, 41.5018.



This preview shows how white text looks on a background with the XYZ color 22.1852, 16.2469,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.1852, 16.2469, 41.5018

Protanopia

17.9857, 16.4882, 50.3787

Deuteranopia

16.7934, 16.4313, 39.8226



Tritanopia

17.3972, 16.2688, 18.1428

Trichromacy



Original Color

22.1852, 16.2469, 41.5018

Protanomaly

18.7643, 15.8861, 46.8771

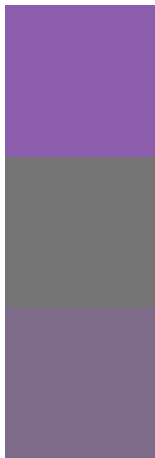
Deuteranomaly

18.2511, 16.0696, 40.1700

Tritanomaly

18.8584, 16.1250, 25.0402

Monochromacy



Original Color

22.1852, 16.2469, 41.5018

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.2305, 16.6815, 25.9259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1852, 16.2469, 41.5018 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(140, 92, 173)` looks like.

```
.text, #text, p{  
    color:rgb(140, 92, 173)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(140, 92, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 92, 173) }
```

Border

The CSS property to change the border of an element to XYZ 22.1852, 16.2469, 41.5018 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(140, 92, 173) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(140, 92, 173) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(140, 92, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 92, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 92, 173);  
box-shadow:4px 4px 4px 4px rgb(140, 92,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1852, 16.2469, 41.5018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 92, 173) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(140, 92,  
173) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor